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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/326,402A

DATE: 12/11/2001

TIME: 10:35:41

Input Set : A:\GEN-T112XC1-rev.txt

Output Set: N:\CRF3\12112001\I326402A.raw

3 <110> APPLICANT: Blumenfeld, Marta
4 Bougueleret, Lydie
5 Chumakov, Ilya
7 <120> TITLE OF INVENTION: Polymorphic Markers of Prostate Carcinoma Tumor Antigen-1
(PCTA-1)
9 <130> FILE REFERENCE: GEN-T112XC1
11 <140> CURRENT APPLICATION NUMBER: 09/326,402A
12 <141> CURRENT FILING DATE: 1999-06-04
14 <150> PRIOR APPLICATION NUMBER: 60/088,187
15 <151> PRIOR FILING DATE: 1998-06-05
17 <150> PRIOR APPLICATION NUMBER: 60/102,324
18 <151> PRIOR FILING DATE: 1998-09-28
20 <160> NUMBER OF SEQ ID NOS: 12
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 106746
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
29 <220> FEATURE:
30 <221> NAME/KEY: misc_feature
31 <222> LOCATION: 1..68647
32 <223> OTHER INFORMATION: 5'regulation region
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: 66647..68647
36 <223> OTHER INFORMATION: promoter
38 <221> NAME/KEY: misc_feature
39 <222> LOCATION: 97156..106746
40 <223> OTHER INFORMATION: 3'regulation region
42 <221> NAME/KEY: exon
43 <222> LOCATION: 68648..68741
44 <223> OTHER INFORMATION: exon0
46 <221> NAME/KEY: exon
47 <222> LOCATION: 70647..70794
48 <223> OTHER INFORMATION: exon1
50 <221> NAME/KEY: exon
51 <222> LOCATION: 82208..82296
52 <223> OTHER INFORMATION: exon2
54 <221> NAME/KEY: exon
55 <222> LOCATION: 83613..83823
56 <223> OTHER INFORMATION: exon3
58 <221> NAME/KEY: exon
59 <222> LOCATION: 85298..85417
60 <223> OTHER INFORMATION: exon4
62 <221> NAME/KEY: exon
63 <222> LOCATION: 86389..86445
64 <223> OTHER INFORMATION: exon5
66 <221> NAME/KEY: exon
67 <222> LOCATION: 87496..87522

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68 <223> OTHER INFORMATION: exon6
70 <221> NAME/KEY: exon
71 <222> LOCATION: 87650..87775
72 <223> OTHER INFORMATION: exon6bis
74 <221> NAME/KEY: exon
75 <222> LOCATION: 88295..88383
76 <223> OTHER INFORMATION: exon7
78 <221> NAME/KEY: exon
79 <222> LOCATION: 89484..89649
80 <223> OTHER INFORMATION: exon8
82 <221> NAME/KEY: exon
83 <222> LOCATION: 92749..97155
84 <223> OTHER INFORMATION: exon9
86 <221> NAME/KEY: exon
87 <222> LOCATION: 92749..92883
88 <223> OTHER INFORMATION: exon9bis
90 <221> NAME/KEY: exon
91 <222> LOCATION: 95821..97155
92 <223> OTHER INFORMATION: exon9ter
94 <221> NAME/KEY: misc_feature
95 <222> LOCATION: 70647..70794
96 <223> OTHER INFORMATION: homology with genset EST : A241850
98 <221> NAME/KEY: misc_feature
99 <222> LOCATION: 68648..68741
100 <223> OTHER INFORMATION: homology with genset EST : A241850
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: 82208..82229
104 <223> OTHER INFORMATION: homology with genset EST : A241850
106 <221> NAME/KEY: allele
107 <222> LOCATION: 278
108 <223> OTHER INFORMATION: 99-1601-278 : polymorphic base A or C
110 <221> NAME/KEY: allele
111 <222> LOCATION: 402
112 <223> OTHER INFORMATION: 99-1601-402 : polymorphic base A or T
114 <221> NAME/KEY: allele
115 <222> LOCATION: 472
116 <223> OTHER INFORMATION: 99-1601-472 : polymorphic base A or T
118 <221> NAME/KEY: allele
119 <222> LOCATION: 2955
120 <223> OTHER INFORMATION: 99-13801-100 : polymorphic base T or C
122 <221> NAME/KEY: allele
123 <222> LOCATION: 12167
124 <223> OTHER INFORMATION: 99-13806-166 : polymorphic base G or A
126 <221> NAME/KEY: allele
127 <222> LOCATION: 12536
128 <223> OTHER INFORMATION: 99-13799-376 : polymorphic base T or G
130 <221> NAME/KEY: allele
131 <222> LOCATION: 17593
132 <223> OTHER INFORMATION: 99-13798-297 : polymorphic base T or C

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Input Set : A:\GEN-T112XC1-rev.txt

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134 <221> NAME/KEY: allele
135 <222> LOCATION: 17606
136 <223> OTHER INFORMATION: 99-13798-284 : polymorphic base T or C
138 <221> NAME/KEY: allele
139 <222> LOCATION: 22079
140 <223> OTHER INFORMATION: 99-1602-200 : polymorphic base G or C
142 <221> NAME/KEY: allele
143 <222> LOCATION: 28964
144 <223> OTHER INFORMATION: 99-13794-186 : polymorphic base T or C
146 <221> NAME/KEY: allele
147 <222> LOCATION: 29003
148 <223> OTHER INFORMATION: 99-13794-147 : polymorphic base C or G
150 <221> NAME/KEY: allele
151 <222> LOCATION: 31077
152 <223> OTHER INFORMATION: 99-13812-384 : polymorphic base T or C
154 <221> NAME/KEY: allele
155 <222> LOCATION: 31766
156 <223> OTHER INFORMATION: 99-13805-313 : polymorphic base T or C
158 <221> NAME/KEY: allele
159 <222> LOCATION: 34791
160 <223> OTHER INFORMATION: 99-1587-281 : polymorphic base A or G
162 <221> NAME/KEY: allele
163 <222> LOCATION: 45751
164 <223> OTHER INFORMATION: 99-1582-430 : polymorphic base C or T
166 <221> NAME/KEY: allele
167 <222> LOCATION: 49847
168 <223> OTHER INFORMATION: 99-1585-465 : polymorphic base T or C
170 <221> NAME/KEY: allele
171 <222> LOCATION: 49855
172 <223> OTHER INFORMATION: 99-1585-457 : polymorphic base T or C
174 <221> NAME/KEY: allele
175 <222> LOCATION: 49886
176 <223> OTHER INFORMATION: 99-1585-426 : polymorphic base G or A
178 <221> NAME/KEY: allele
179 <222> LOCATION: 49900
180 <223> OTHER INFORMATION: 99-1585-412 : polymorphic base G or A
182 <221> NAME/KEY: allele
183 <222> LOCATION: 49906
184 <223> OTHER INFORMATION: 99-1585-406 : polymorphic base C or A
186 <221> NAME/KEY: allele
187 <222> LOCATION: 49921
188 <223> OTHER INFORMATION: 99-1585-391 : polymorphic base C or A
190 <221> NAME/KEY: allele
191 <222> LOCATION: 49939
192 <223> OTHER INFORMATION: 99-1585-373 : polymorphic base G or A
194 <221> NAME/KEY: allele
195 <222> LOCATION: 50256
196 <223> OTHER INFORMATION: 99-1585-55 : polymorphic base C or A
198 <221> NAME/KEY: allele

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Input Set : A:\GEN-T112XC1-rev.txt

Output Set: N:\CRF3\12112001\I326402A.raw

199 <222> LOCATION: 54955
200 <223> OTHER INFORMATION: 99-1607-373 : polymorphic base T or C
202 <221> NAME/KEY: allele
203 <222> LOCATION: 64239
204 <223> OTHER INFORMATION: 99-1577-105 : polymorphic base A or G
206 <221> NAME/KEY: allele
207 <222> LOCATION: 65436
208 <223> OTHER INFORMATION: 99-1591-235 : polymorphic base A or G
210 <221> NAME/KEY: allele
211 <222> LOCATION: 65496
212 <223> OTHER INFORMATION: 99-1591-295 : polymorphic base G or T
214 <221> NAME/KEY: allele
215 <222> LOCATION: 66967
216 <223> OTHER INFORMATION: 99-1572-315 : polymorphic base C or T
218 <221> NAME/KEY: allele
219 <222> LOCATION: 66987
220 <223> OTHER INFORMATION: 99-1572-335 : polymorphic base A or G
222 <221> NAME/KEY: allele
223 <222> LOCATION: 67092
224 <223> OTHER INFORMATION: 99-1572-440 : polymorphic base C or T
226 <221> NAME/KEY: allele
227 <222> LOCATION: 67129
228 <223> OTHER INFORMATION: 99-1572-477 : polymorphic base A or T
230 <221> NAME/KEY: allele
231 <222> LOCATION: 67229
232 <223> OTHER INFORMATION: 99-1572-578 : polymorphic base C or T
234 <221> NAME/KEY: allele
235 <222> LOCATION: 67433
236 <223> OTHER INFORMATION: 5-264-188 : polymorphic base A or G
238 <221> NAME/KEY: allele
239 <222> LOCATION: 67723
240 <223> OTHER INFORMATION: 5-169-97 : polymorphic base G or C
242 <221> NAME/KEY: allele
243 <222> LOCATION: 67834
244 <223> OTHER INFORMATION: 5-169-208 : polymorphic base A or G
246 <221> NAME/KEY: allele
247 <222> LOCATION: 67955
248 <223> OTHER INFORMATION: 5-169-331 : polymorphic base C or T
250 <221> NAME/KEY: allele
251 <222> LOCATION: 68213
252 <223> OTHER INFORMATION: 5-170-238 : polymorphic base A or G
254 <221> NAME/KEY: allele
255 <222> LOCATION: 68263
256 <223> OTHER INFORMATION: 5-170-288 : polymorphic base A or C
258 <221> NAME/KEY: allele
259 <222> LOCATION: 68375
260 <223> OTHER INFORMATION: 5-170-400 : polymorphic base G or C
262 <221> NAME/KEY: allele
263 <222> LOCATION: 68477

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Input Set : A:\GEN-T112XC1-rev.txt

Output Set: N:\CRF3\12112001\I326402A.raw

264 <223> OTHER INFORMATION: 5-171-156 : polymorphic base G or T
 266 <221> NAME/KEY: allele
 267 <222> LOCATION: 68525
 268 <223> OTHER INFORMATION: 5-171-204 : polymorphic base C or T
 270 <221> NAME/KEY: allele
 271 <222> LOCATION: 68594
 272 <223> OTHER INFORMATION: 5-171-273 : polymorphic base A or G
 274 <221> NAME/KEY: allele
 275 <222> LOCATION: 68610
 276 <223> OTHER INFORMATION: 5-171-289 : polymorphic base C or T
 278 <221> NAME/KEY: allele
 279 <222> LOCATION: 70566
 280 <223> OTHER INFORMATION: 5-1-60 : polymorphic base C or T
 282 <221> NAME/KEY: allele
 283 <222> LOCATION: 70728
 284 <223> OTHER INFORMATION: 5-1-222 : polymorphic base A or G
 286 <221> NAME/KEY: allele
 287 <222> LOCATION: 80038
 288 <223> OTHER INFORMATION: 99-1578-99 : polymorphic base G or T
 290 <221> NAME/KEY: allele
 291 <222> LOCATION: 80118
 292 <223> OTHER INFORMATION: 99-1578-179 : polymorphic base A or T
 294 <221> NAME/KEY: allele
 295 <222> LOCATION: 80170
 296 <223> OTHER INFORMATION: 99-1578-231 : insertion AC
 298 <221> NAME/KEY: allele
 299 <222> LOCATION: 80183
 300 <223> OTHER INFORMATION: 99-1578-245 : deletion AT
 302 <221> NAME/KEY: allele
 303 <222> LOCATION: 80435
 304 <223> OTHER INFORMATION: 99-1578-496 : polymorphic base C or T
 306 <221> NAME/KEY: allele
 307 <222> LOCATION: 82090
 308 <223> OTHER INFORMATION: 5-2-30 : insertion CAG
 310 <221> NAME/KEY: allele
 311 <222> LOCATION: 82165
 312 <223> OTHER INFORMATION: 5-2-109 : polymorphic base G or T
 314 <221> NAME/KEY: allele
 315 <222> LOCATION: 82169
 316 <223> OTHER INFORMATION: 5-2-113 : deletion GTTT
 318 <221> NAME/KEY: allele
 319 <222> LOCATION: 82218
 320 <223> OTHER INFORMATION: 5-2-162 : polymorphic base A or T
 322 <221> NAME/KEY: allele
 323 <222> LOCATION: 82234
 324 <223> OTHER INFORMATION: 5-2-178 : polymorphic base C or T
 326 <221> NAME/KEY: allele
 327 <222> LOCATION: 82268
 328 <223> OTHER INFORMATION: 5-2-213 : polymorphic base C or T

Use of n and / or Xaa has been detected in the
 Sequence Listing. Review the Sequence Listing
 to ensure a corresponding explanation is present
 in the <220> to <223> fields of each sequence
 using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/326,402A

DATE: 12/11/2001

TIME: 10:35:42

Input Set : A:\GEN-T112XC1-rev.txt

Output Set: N:\CRF3\12112001\I326402A.raw

L:3011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:3122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:3124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:3361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:3366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:3446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:6335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:6446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:6448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:6685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:6690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:6770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12